



Remote Sensing Training for Disaster Management

In person and online trainings focus on accessing, interpreting, and processing NASA Earth Observation data for disaster management. The trainings are aimed at facilitating disaster monitoring, preparedness, and relief activities by using remote sensing observations. Topics include extreme rainfall, drought, floods, landslides, hurricanes, storm surge, earthquakes, and oil slicks.

Any Introductory and Advanced Series can be taken dependent upon topic and interest.

Introductory

[Overview of the Global Disaster Alert and Coordination System \(GDACS\)](#)

[Introduction to Global Precipitation Measurement \(GPM\) Data and Applications](#)

[Introduction to Remote Sensing for Wildfire Applications](#)

[Using NASA Remote Sensing for Disaster Management](#)

[NASA Remote Sensing Observations for Flood Management](#)

[Introduction to Synthetic Aperture Radar](#)

[Monitoring Tropical Storms for Emergency Preparedness](#)

[Monitoring Urban Floods Using Remote Sensing](#)

[Earth Observations for Disaster Risk Assessment & Resilience](#)

[Remote Sensing for Disasters Scenarios](#)

[Satellite Remote Sensing for Urban Heat Islands](#)

[Introduction to NASA's "Black Marble" Night Lights Data](#)





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Introductory (contd.)

[Introduction to Population Grids and Their Integration with Remote Sensing Data for Sustainable Development and Disaster Management](#)

Intermediate

[Use of Solar Induced Fluorescence and LIDAR to Assess Vegetation Change and Vulnerability](#)

[Satellite Observations for Analyzing Natural Hazards on Small Island Nations](#)

Advanced

[Advanced Webinar: Using NASA Remote Sensing for Flood Monitoring and Management](#)

[Advanced Webinar: Remote Sensing of Drought](#)

[Advanced Webinar: Radar Remote Sensing for Land, Water, & Disaster Applications](#)

[Advanced Webinar: SAR for Landcover Applications](#)

[Advanced Webinar: SAR for Disasters and Hydrological Applications](#)

